### PATENT COOPERATION TREATY

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From the INTERNATIONAL SEARCHING AUTHORITY

To:

FENSTER & COMPANY PATENT ATTORNEYS, LTD Attn. Fenster, Paul. P.O.Box 10256 Petach Tikva 49002 ISRAEL	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1)
	Date of mailing
Applicant's or agent's file reference	(day/month/year) 10/10/2002
055/02522	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/IL 01/01207	International filing date (day/month/year) 27/12/2001
Applicant	
DRYKOR LTD.	
The applicant is hereby notified that the International Search Filling of amendments and statement under Article 19: The applicant is entitled if he so wishes to exceed the delimination.	
The applicant is entitled, if he so wishes, to amend the claims  When? The time limit for filing such amendments is normal International Search Report; however, for more detailed.	N/2 months from the sleep of the
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35	
For more detailed instructions, see the notes on the accom-	panying sheet.
2. The applicant is hereby notified that no International Search Article 17(2)(a) to that effect is transmitted herewith.	Report will be established and that the declaration under
3. With regard to the protest against payment of (an) addition	al fee(s) under Rule 40.2, the applicant is notified that:
the protest together with the decision thereon has been applicant's request to forward the texts of both the protest.	transmitted to the International Bureau together with the st and the decision thereon to the designated Offices.
no decision has been made yet on the protest; the applic	cant will be notified as soon as a decision is made.
4. Further action(s): The applicant is reminded of the following:	
Shortly after 18 months from the priority date, the international app if the applicant wishes to avoid or postpone publication, a notice of priority claim, must reach the International Bureau as provided in completion of the technical preparations for international publication	Rules 90 <i>bis.</i> 1 and 90 <i>bis.</i> 3, respectively, before the
Within 19 months from the priority date, a demand for international wishes to postpone the entry into the national phase until 30 months.	his from the priority date (in some Offices even later).
Within 20 months from the priority date, the applicant must perform before all designated Offices which have not been elected in the control priority date or could not be elected because they are not bound by	the prescribed acts for entry into the national phase

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Yannick Gouby

# PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2)	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
nternational application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/IL 01/01207	27/12/2001	(any) manay saly
pplicant	2.,12,2001	
PRYKOR LTD.		
This International Search Report has be according to Article 18. A copy is being to	en prepared by this International Searching Auth transmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consist  It is also accompanied by	ts of a total of sheets.  by a copy of each prior art document cited in this	report.
Basis of the report		
a. With regard to the language, the	e international search was carried out on the bas nless otherwise indicated under this item.	sis of the international application in the
<ul> <li>b. With regard to any nucleotide a was carried out on the basis of the</li> </ul>	nd/or amino acid sequence disclosed in the int	ternational application, the international search
	ional application in written form.	
	ternational application in computer readable form	3
	to this Authority in written form.	•
<del></del>	to this Authority in computer readble form.	
the statement that the su	bsequently furnished written sequence listing do as filed has been furnished.	pes not go beyond the disclosure in the
	- moe mad boom tambaned.	identical to the written sequence listing has been
. Certain claims were for	und unsearchable (See Box I).	
Unity of invention is lac		
. With regard to the title,		
X the text is approved as s	ubmitted by the applicant.	
	shed by this Authority to read as follows:	
. With regard to the abstract,		
the text is approved as su	ibmitted by the applicant	
The text has been established.	shed, according to Rule 38.2(b), by this Authority addeding of this International search repo	as it appears in Box III. The applicant may,
The figure of the drawings to be publ	and alternational applicit tebol	1 submit comments to this Authority.
		<u> </u>
as suggested by the appli	cant.	
as suggested by the appli because the applicant fail		None of the figures.

### INTERNATIONAL SEARCH REPORT

International application No. PCT/IL 01/01207

Box	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	emational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This Inte	mational Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: $1-10$
Remark o	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

# FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

#### 1. Claims: 1-10

An air conditioning system for conditioning air by removing heat and moisture from the air and transferring it to the environment, comprising:
 a dehumidifier that produces dehumidified air and utilizes a liquid desiccant for drying;
 at least one non-desiccant fluid at a temperature lower than the temperature of the liquid desiccant;
 and at least one heat exchanger in which the liquid desiccant is cooled by the at least one fluid.

#### 2. Claims: 11-24

An air conditioning system for conditioning air by removing heat and moisture from the air and transferring it to the environment, comprising:

a dehumidifier which produces dehumidified air;

at least one cooling chamber through which air flows and which contains water which evaporates into said air;

and at least one heat exchanger in which at least some of the dehumidified air is cooled by one or both of air exiting at least one of the at least one cooling chambers or water cooled in at least one of the at least one cooling chambers.

#### 3. Claims: 25-69

A dehumidifier for removing moisture from air to be dried and transferring it to environmental air, comprising: liquid desiccant; a dehumidification section where the liquid desciccant removes moisture from the air to be dried; a dehumidifying (or regenerating) section; a dehumidifying (or regenerating) section reservoir containing at least some of the liquid desiccant; and at least one dehumidifying (or regenerating) element; wherein each dehumidifying (or regenerating) element moves from the dehumidifying (or regenerating) section reservoir to the dehumidifying (or regenerating) section, carrying some of the desciccant from the dehumidifying (or regenerating) reservoir with it, which desiccant absorbs moisture from the air to be dried in the dehumidifying section (or gives up moisture to the environmental air in the regenerating section), and the said dehumidifying (or regenerating) element then moves back to the dehumidifying (or regenerating) section reservoir, carrying the desiccant back to the dehumidifying (or regenerating) section reservoir.

International Application No. PCT/IL 01/01207

FURTHER INFORMATION CONTINUED FROM	PCT/ISA/	210
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### INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL 01/01207

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

An air-conditioning system for conditioning air by removing heat and moisture from the air and transferring it to the environment, comprising: a dehumidifier (14) that produces dehumidified air and utilizes a liquid desiccant for drying; at least one non-desiccant fluid at a temperature lower than the temperature of the liquid desiccant; and at least one heat exchanger (20) in which the liquid desiccant is cooled by the at least one fluid.



International Application No

PCT/IL 01/01207 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F24F3/14 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X WO 00 55546 A (FORKOSH MORDECHAI ; FORKOSH 1 DAN (IL); DRYKOR LTD (IL); FORKOSH TOMY) 21 September 2000 (2000-09-21) A abstract 2-9 page 9, line 30 - line 34 figure 2 Χ US 2 057 938 A (R.B.P. CRAWFORD) 1-9 20 October 1936 (1936-10-20) page 5, right-hand column, line 47 -page 7, right-hand column, line 63 A figure 2 10 X US 2 336 674 A (BRACE CRAWFORD ROBERT) 1,2,4,6, 14 December 1943 (1943-12-14) 8-10 page 2, right-hand column, line 69 -page left-hand column, line 24 figures 1,2 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 17 May 2002 1 0, 10, 2002 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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De Graaf, J



International Application No PCT/IL 01/01207

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